Bits — 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 Header Length Type of Service Version **Total Packet Length** Sequence Number Flags Fragment Offset Time to Live Header Checksum Protocol Switching, Path and Channel Identifiers Packet Type, QoS, Security and Network Management Identifiers and Values Options (if any) Data (if any)

Figure 1. Representative Description of the IPv4 Header for VIPS

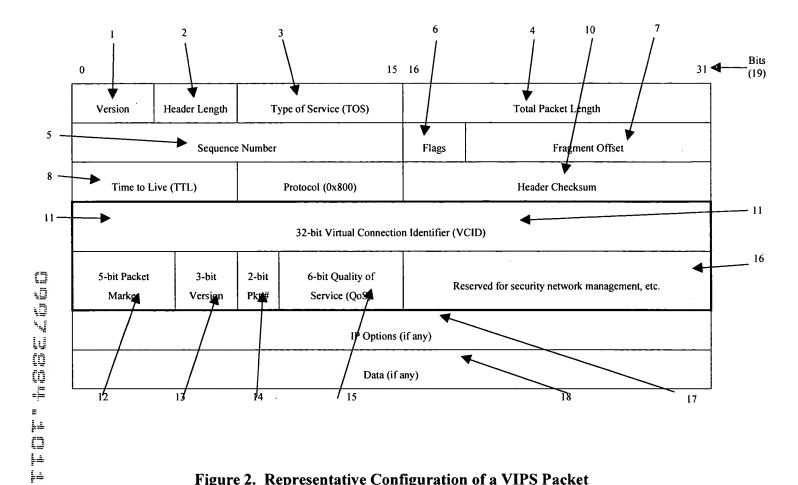


Figure 2. Representative Configuration of a VIPS Packet

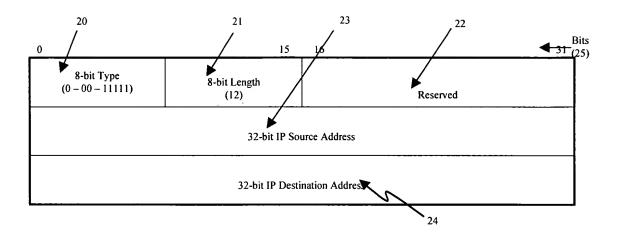


Figure 3. Representative First or Lead Packet IP Option

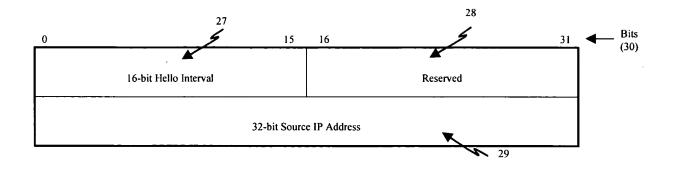


Figure 4. Representative Hello Packet Payload

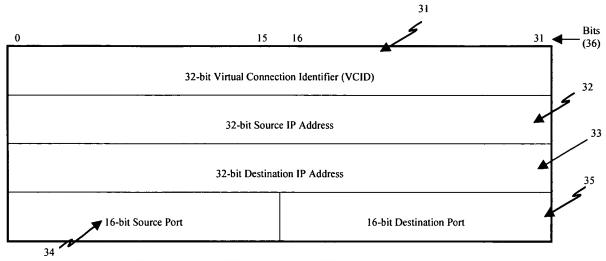


Figure 5. Representative CACK Packet Payload

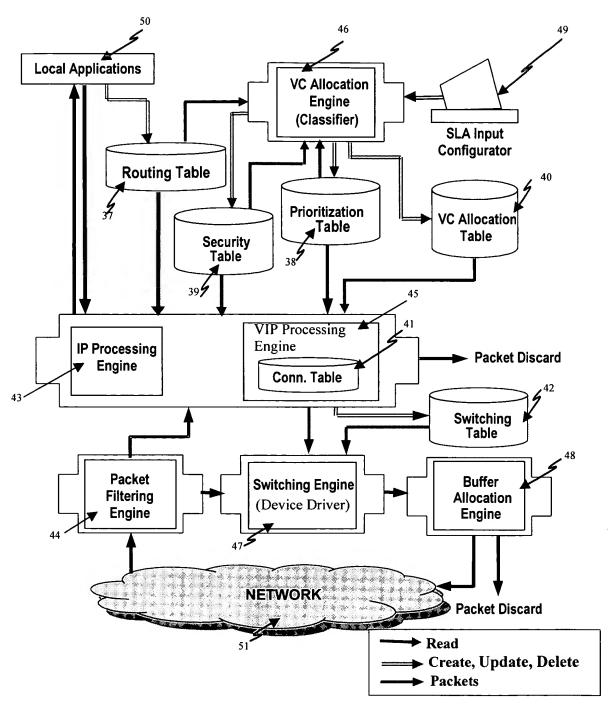


Figure 6. Representative Functional Details

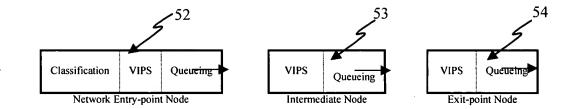


Figure 7. Representative Packet Queuing Concepts

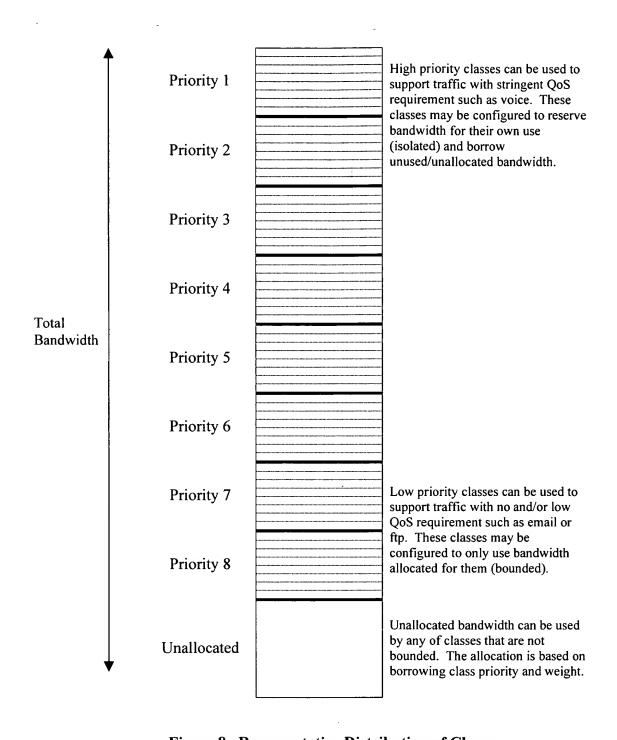


Figure 8. Representative Distribution of Classes